



DEPARTMENT OF REGULATORY AND ECONOMIC RESOURCES (RER)
BOARD AND CODE ADMINISTRATION DIVISION

NOTICE OF ACCEPTANCE (NOA)

MIAMI-DADE COUNTY
PRODUCT CONTROL SECTION
11805 SW 26 Street, Room 208
Miami, Florida 33175-2474
T (786) 315-2590 F (786) 315-2599
www.miamidade.gov/economy

Amarr Garage Doors
165 Carriage Court
Winston-Salem, NC 27105

SCOPE: This NOA is being issued under the applicable rules and regulations governing the use of construction materials. The documentation submitted has been reviewed and accepted by Miami-Dade County RER-Product Control Section to be used in Miami Dade County and other areas where allowed by the Authority Having Jurisdiction (AHJ). This NOA shall not be valid after the expiration date stated below. The Miami-Dade County Product Control Section (In Miami Dade County) and/or the AHJ (in areas other than Miami Dade County) reserve the right to have this product or material tested for quality assurance purposes. If this product or material fails to perform in the accepted manner, the manufacturer will incur the expense of such testing and the AHJ may immediately revoke, modify, or suspend the use of such product or material within their jurisdiction. RER reserves the right to revoke this acceptance, if it is determined by Miami-Dade County Product Control Section that this product or material fails to meet the requirements of the applicable building code.

This product is approved as described herein, and has been designed to comply with the Florida Building Code, including the High Velocity Hurricane Zone.

DESCRIPTION: Model 950 Heritage & 655 Oak Summit 1000, 2000 Steel Sectional Garage Door up to 16'-0" Wide

APPROVAL DOCUMENT: Drawing No. IRC-9516-175-26-I, titled "Model 950 Heritage and Model 655 Oak Summit (24ga) 1000, 2000 Short, Long, Flush and Oak Summit Panels", Sheets 1 through 3 of 3, dated 02/28/2007, with revision E dated 12/02/2011, prepared by Amarr Garage Doors, signed and sealed by Thomas L. Shelmerdine, P.E., bearing the Miami-Dade County Product Control revision stamp with the Notice of Acceptance number and expiration date by the Miami-Dade County Product Control Section.

MISSILE IMPACT RATING: Large and Small Missile Impact Resistant

LABELING: A permanent label with the manufacturer's name or logo, 3800 Greenway Circle, Lawrence, Kansas, model number, the positive and negative design pressure rating, indicate impact rated if applicable, installation instruction drawing reference number, approval number (NOA), the applicable test standards, and the statement reading 'Miami-Dade County Product Control Approved' is to be located on the door's side track, bottom angle, or inner surface of a panel.

RENEWAL of this NOA shall be considered after a renewal application has been filed and there has been no change in the applicable building code negatively affecting the performance of this product.

TERMINATION of this NOA will occur after the expiration date or if there has been a revision or change in the materials, use, and/or manufacture of the product or process. Misuse of this NOA as an endorsement of any product, for sales, advertising or any other purposes shall automatically terminate this NOA. Failure to comply with any section of this NOA shall be cause for termination and removal of NOA.

ADVERTISEMENT: The NOA number preceded by the words Miami-Dade County, Florida, and followed by the expiration date may be displayed in advertising literature. If any portion of the NOA is displayed, then it shall be done in its entirety.

INSPECTION: A copy of this entire NOA shall be provided to the user by the manufacturer or its distributors and shall be available for inspection at the job site at the request of the Building Official.

This NOA revises NOA # 12-0228.06 and consists of this page 1 and evidence page E-1, as well as approval document mentioned above.

The submitted documentation was reviewed by Carlos M. Utrera, P.E.



[Signature]
07/07/2015

NOA No. 15-0505.04
Expiration Date: September 6, 2017
Approval Date: July 16, 2015
Page 1

Amarr Garage Doors

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

A. DRAWINGS “Submitted under NOA # 12-0228.06”

1. Drawing No. **IRC-9516-175-26-I**, titled “Model 950 Heritage and Model 655 Oak Summit (24ga) 1000, 2000 Short, Long, Flush and Oak Summit Panels”, sheets 1 through 3 of 3, 02/28/2007, with revision E dated 12/02/2011, prepared by Amarr Garage Doors, signed and sealed by Thomas L. Shelmerdine, P.E.

B. TESTS “Submitted under NOA # 12-0228.06”

1. Test report on Evaluation of Painted or Coated Specimens Subjected to Corrosive Environments per ASTM D1654 & ASTM B117, prepared by Architectural Testing, Inc., Test Report # **A7420.01-106-18**, dated 04/12/2011, signed and sealed by Joseph A. Reed, P.E.
2. Test report on Forced Entry Test per FBC, TAS 202-94, prepared by American Test Lab, Inc., Test Report # **ATLNC 0912.01-11**, dated 10/13/2011, signed and sealed by David W. Johnson, P.E. “Submitted under NOA # 12-0228.09”

“Submitted under NOA # 07-0928.10”

3. Test report on Large Missile Impact Test per FBC TAS 201, Uniform Static Air Pressure Test per FBC TAS 202 and Cyclic Wind Pressure Test per FBC TAS 203 for a 16' x 7' Sectional Steel Garage Door, prepared by American Test Lab, Inc., Report # **ATLNC 0328.01-07**, dated 05/08/2007, signed and sealed by David W. Johnson, P.E.
4. Test report on Tensile Test for 3 Samples per ASTM E 8, prepared by Hurricane Engineering & Testing Inc., Report # **HETI-07-T681**, dated 04/19/2007, signed and sealed by Candido F. Font, P.E.

C. CALCULATIONS “Submitted under NOA # 12-0228.06”

1. Anchor calculations prepared by Structural Solutions, P.A., dated 01/25/2012, signed and sealed by Thomas L. Shelmerdine, P.E.

D. QUALITY ASSURANCE

1. Miami-Dade Department of Regulatory and Economic Resources (RER)

E. MATERIAL CERTIFICATIONS

1. None.

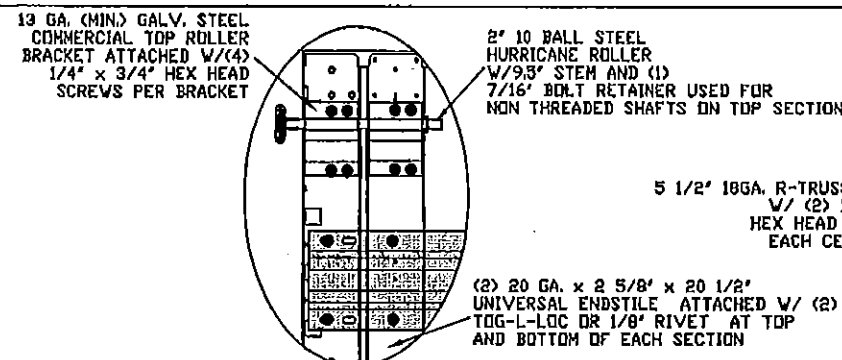
F. STATEMENTS

1. Statement letter of code conformance to the 5th edition (2014) FBC and no financial interest issued by Structural Solutions, PA., dated 04/08/2015, signed and sealed by Tomas L. Shelmerdine, P.E.


07/07/2015

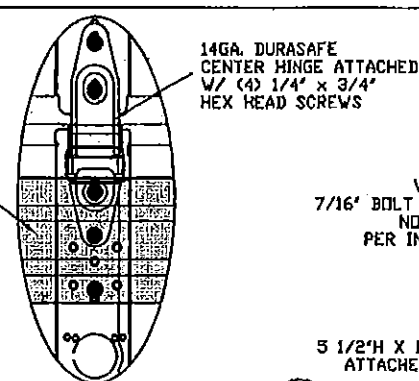
Carlos M. Utrera, P.E.
Product Control Examiner
NOA No. 15-0505.04

Expiration Date: September 6, 2017
Approval Date: July 16, 2015



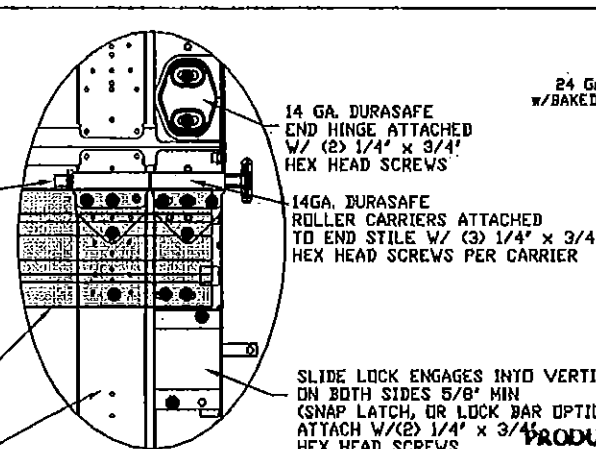
TYPICAL TOP FIXTURES
N.T.S.

1A



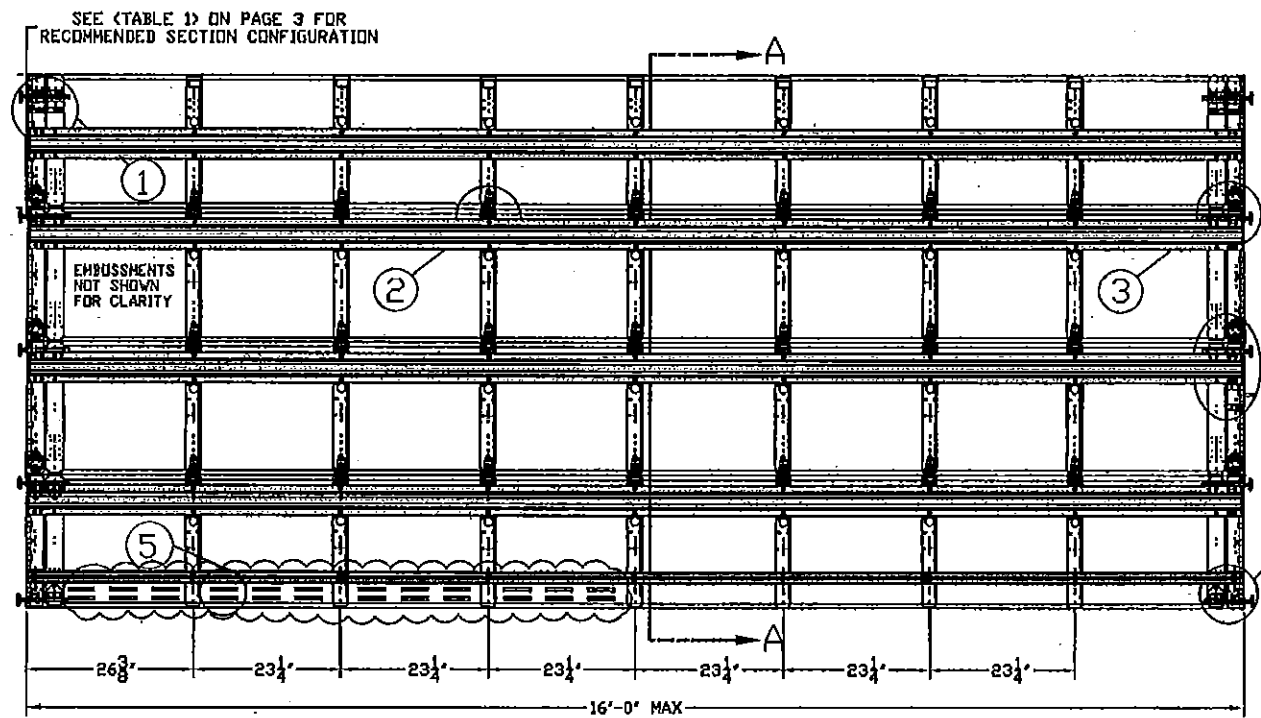
TYPICAL DURASAFE CENTER HINGE
N.T.S.

2

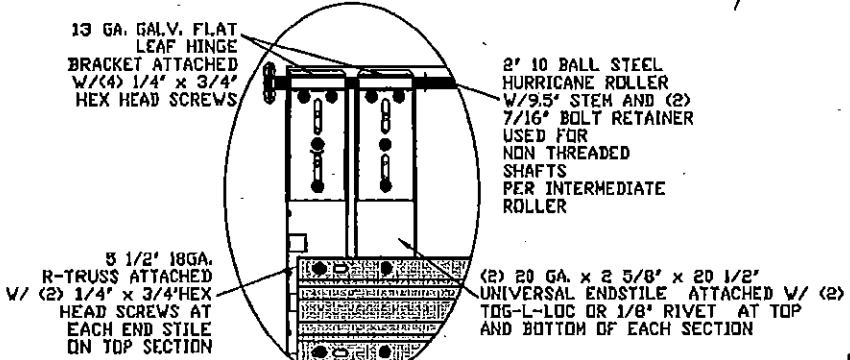


TYPICAL DURASAFE END HINGE
N.T.S.

3



INSIDE ELEVATION
N.T.S.



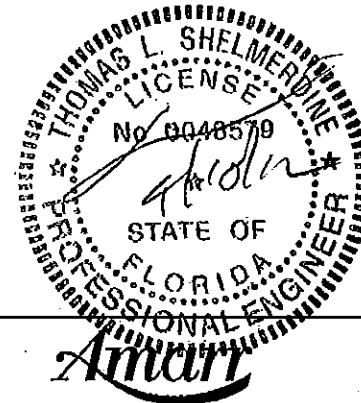
ALT. LOW HEADROOM TOP FIXTURE
N.T.S.

PRODUCT REVISED
as complying with the Florida Building Code
Acceptance No. 12-0228-06
Expiration Date 09/06/2017
By *[Signature]*
Miami Door Product Control

SECTION A-A (SIDE VIEW)
N.T.S.

REV	DESCRIPTION OF REVISIONS	DATE	BY
B	ADDED TITLE BLOCK TO PAGE 2	7/3/07	BHG
C	CORRECTED WOOD BLOCK NOTE	9/13/07	BHG
D	REVISED NOTE 8	12/15/08	CBT
E	UPDATED TO FBC 2010	12/2/11	RLR

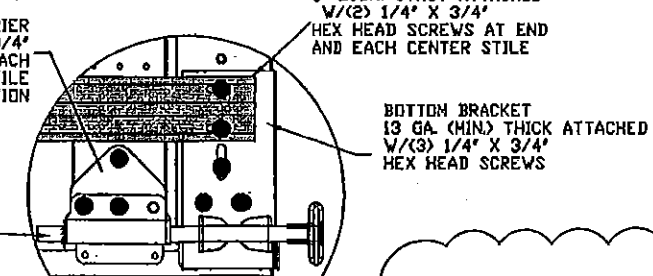
MAX SIZE
16' x 14'
DESIGN LOADS
+47.5 PSF
-52.0 PSF
LARGE MISSILE
IMPACT
RESISTANCE



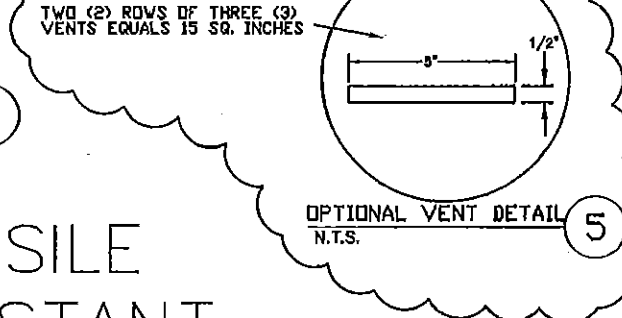
165 CARRIAGE COURT WINSTON-SALEM, N.C. 27105 WWW.AHARR.COM

MODEL 950 HERITAGE 1000, 2000
MODEL 855 OAK SUMMIT (24g) 1000, 2000
SHORT, LONG, FLUSH, & OAK SUMMIT PANELS

SIZE 8	DRAWN BY SKW	DATE 02/28/07	DRAWING NUMBER IRC-9516-175-26-1
CHECKED BY BHG	DATE 01/07	ENGINEER THOMAS L. SHELMEERDINE P.E. LIC. No. 0048579	SHEET 1 OF 3



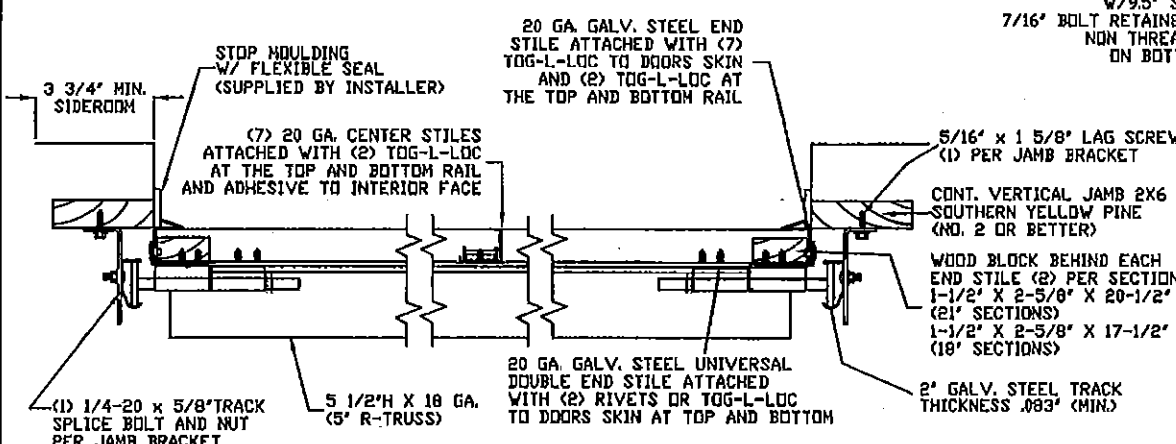
TYPICAL BOTTOM BRACKET
N.T.S.



OPTIONAL VENT DETAIL
N.T.S.

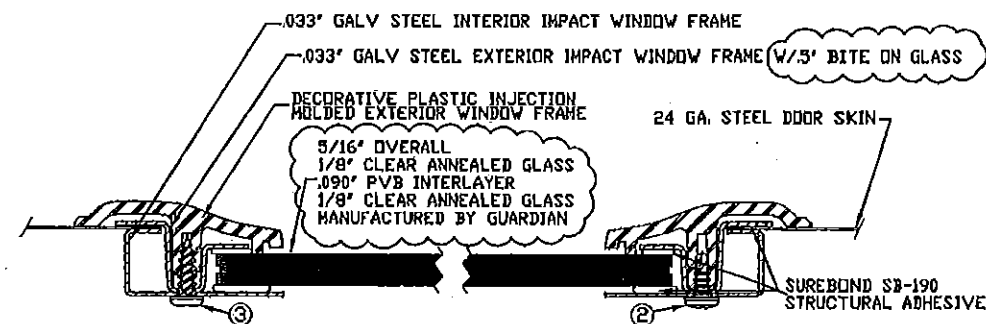
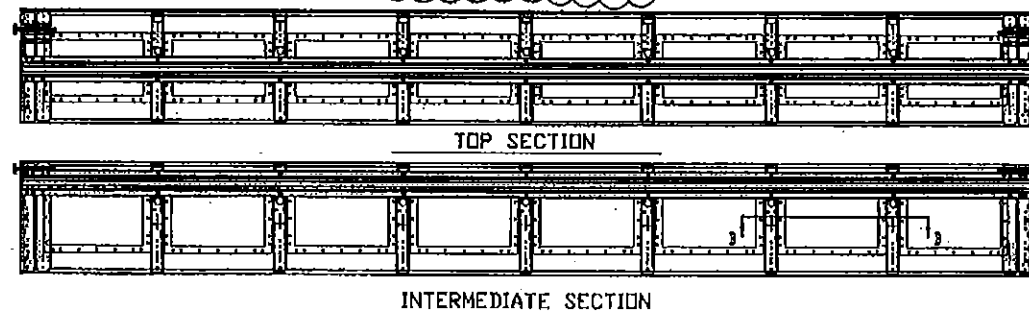
5

LARGE MISSILE IMPACT RESISTANT



TRACK MOUNTING DETAIL
N.T.S.

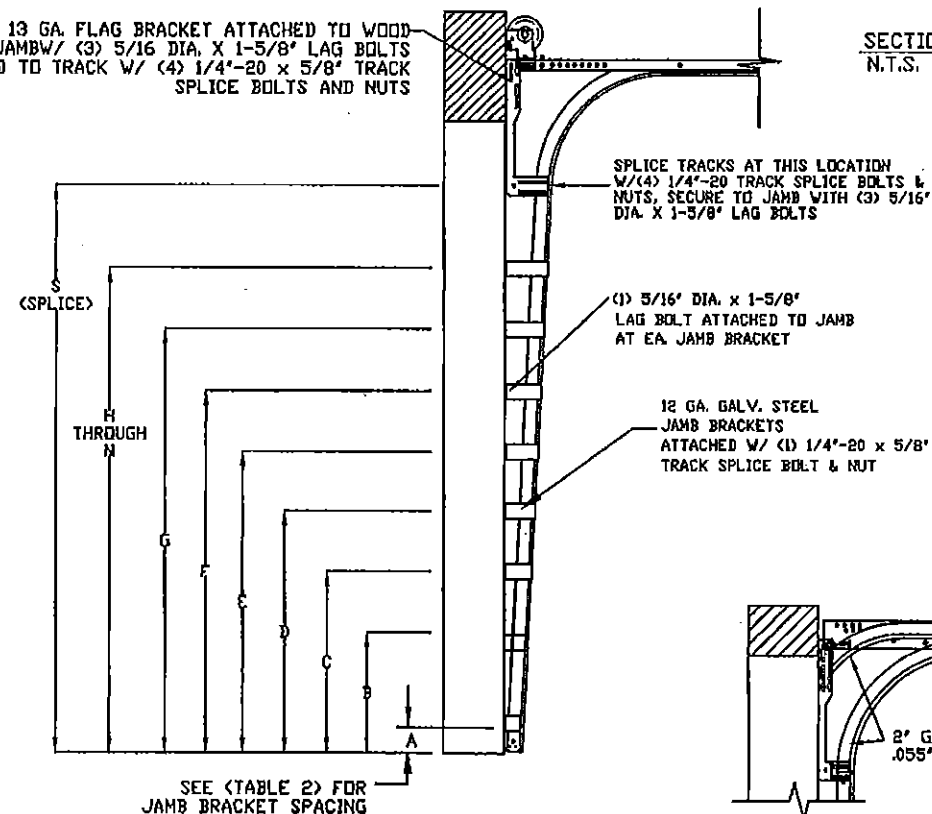
NTS
GLAZING MEETS ASTM E1300-04



2. 3/16" X 1/2" SCREW - USED TO FASTEN THE STEEL EXTERIOR IMPACT WINDOW FRAME TO THE STEEL INTERIOR IMPACT WINDOW FRAME.
3. 11/64" X 1/2" SCREW - USED TO FASTEN DECORATIVE MOLDED WINDOW FRAME TO THE ASSEMBLY

SECTION B-B IMPACT WINDOW DETAIL
N.T.S.

13 GA. FLAG BRACKET ATTACHED TO WOOD
JAMB/W/ (3) 5/16 DIA. X 1-5/8" LAG BOLTS
AND TO TRACK W/ (4) 1/4"-20 X 5/8" TRACK
SPLICE BOLTS AND NUTS



STANDARD TRACK CONFIGURATION FOR 6'6" UP TO 14' TALL DOORS
N.T.S.

LOW HEADROOM TRACK OPTION
N.T.S.

WOOD JAMB ATTACHMENT TO STRUCTURE

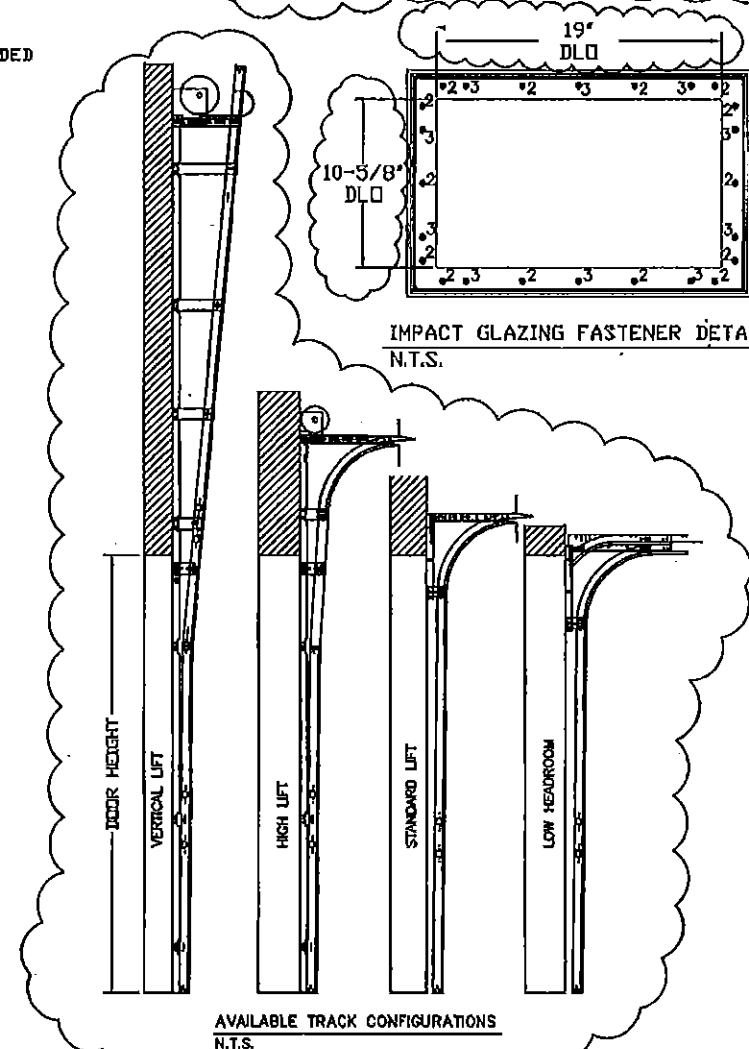
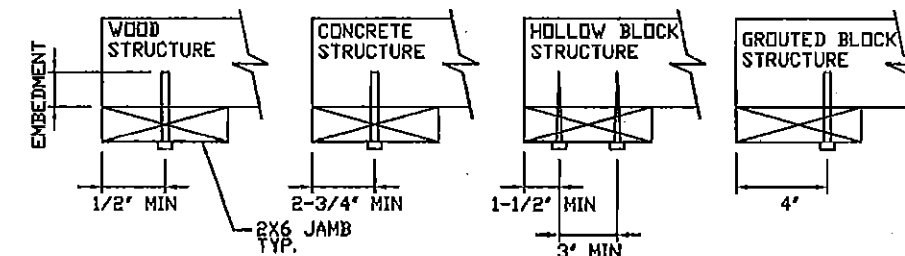
2 X 6 VERTICAL JAMB ATTACHMENT TO WOOD FRAME STRUCTURE
5/16" X 3' LAG SCREWS STARTING 6" FROM ENDS THEN 12" O.C. (1 1/2" EMBEDMENT)

2 X 6 VERTICAL JAMB ATTACHMENT TO 2,000 PSI CONCRETE
HILTI KWIK BOLT 3/8" X 4' STARTING 6" FROM ENDS THEN 24" O.C. (2 1/2" EMBEDMENT)
HILTI SLEEVE ANCHOR 3/8" X 2-3/4" STARTING 6" FROM ENDS THEN 10" O.C. (1 1/4" EMBEDMENT)
ITW/RAMSET REDHEAD (TRU-BOLT) 3/8" X 4' STARTING 6" FROM ENDS THEN 20" O.C. (2 1/2" EMBEDMENT)

2 X 6 VERTICAL JAMB ATTACHMENT TO HOLLOW C-90 BLOCK
SIMPSON 1/4" X 3' TITEN SCREWS STARTING 6" FROM ENDS, USE PAIRS OF FASTENERS (3" APART) AT 8" O.C. (1 1/2" EMBEDMENT)
HILTI 1/4" X 2-3/4" KWIK-CON II+ SCREWS STARTING 6" FROM ENDS, USE PAIRS OF FASTENERS (3" APART) AT 8" O.C. (1 1/4" EMBEDMENT)

2 X 6 VERTICAL JAMB ATTACHMENT TO GROUTED C-90 BLOCK (2000 PSI GROUT)
HILTI SLEEVE ANCHOR 3/8" X 2-3/4" STARTING 6" FROM ENDS THEN 12" O.C. (1 1/4" EMBEDMENT) OR, USE FASTENERS FOR HOLLOW C-90 BLOCK)

- LAGS AND BOLTS CAN BE COUNTERSUNK TO PROVIDE A FLUSH MOUNTING SURFACE.
- PREPARATION OF WOOD JAMBS BY OTHERS



PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No 15-0505.04
Expiration Date 04/06/2017

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No 12-0728.06
Expiration Date 04/06/2017

By [Signature]
Miami Dade Product Control

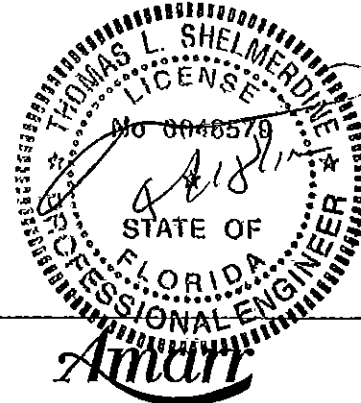
By [Signature]
Miami Dade Product Control

REV	DESCRIPTION OF REVISIONS	DATE	BY
B	ADDED TITLE BLOCK TO PAGE 2	7/3/07	BHG
C	CORRECTED WOOD BLOCK NOTE	9/13/07	BHG
D	REVISED NOTE 8	12/15/08	CBT
E	UPDATED TO FBC 2010	12/2/11	RLR

MAX SIZE
16' x 14'

DESIGN LOADS
+47.5 PSF
-52.0 PSF

**LARGE MISSILE
IMPACT
RESISTANCE**



165 CARRIAGE COURT WINSTON-SALEN, NC. 27105 WWW.AMARR.COM

MODEL 950 HERITAGE 1000, 2000
MODEL 855 OAK SUMMIT (24g) 1000, 2000
SHORT, LONG, FLUSH, & OAK SUMMIT PANELS

SIZE	DRAWN BY	SKW	DATE	02/28/07	DRAWING NUMBER
B	CHECKED BY	BHG	DATE	01/07	
ENGINEER: THOMAS L. SHUMBERG P.E. LIC. No. 0048579					IRC-9516-175-26-1
					SHEET 2 OF 3

TABLE 1

DOOR HEIGHT	SECTION HEIGHTS							
	Btm	#2	#3	#4	#5	#6	#7	#8
14' 0"	21"	21"	21"	21"	21"	21"	21"	21"
13' 6"	21"	21"	21"	21"	21"	18"	18"	21"
13' 0"	21"	21"	21"	18"	18"	18"	18"	21"
12' 6"	21"	18"	18"	18"	18"	18"	18"	21"
12' 0"	21"	21"	21"	21"	21"	18"	21"	
11' 6"	21"	21"	21"	18"	18"	18"	21"	
11' 0"	21"	18"	18"	18"	18"	18"	21"	
10' 6"	21"	21"	21"	21"	21"	21"		
10' 0"	21"	21"	21"	18"	18"	21"		
9' 6"	21"	18"	18"	18"	18"	21"		
9' 0"	18"	18"	18"	18"	18"	18"		
8' 6"	21"	21"	21"	18"	21"			
8' 0"	21"	18"	18"	18"	21"			
7' 6"	18"	18"	18"	18"	18"			
7' 0"	21"	21"	21"	21"				
6' 6"	21"	18"	18"	21"				

VERTICAL JAMB
DESIGN LOADS
+380.0 LBS/FT
-416.0 LBS/FT

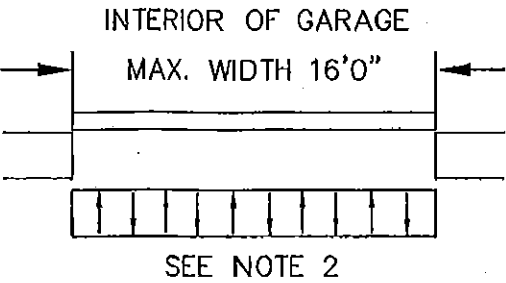


TABLE 2

DOOR HEIGHT	TRACK ATTACHMENT														SPLICE
	A	B	C	D	E	F	G	H	I	J	K	L	M	N	S
6' 6"	3"	14"	27"	38"	46"	56"	64"								70"
7'	3"	14"	27"	38"	46"	56"	68"								76"
7' 6"	3"	14"	27"	38"	46"	56"	68"	78"							82"
8'	3"	14"	27"	38"	46"	56"	68"	78"							88"
8' 6"	3"	14"	27"	38"	46"	56"	68"	78"	88"						94"
9'	3"	14"	27"	38"	46"	56"	68"	78"	88"						100"
9' 6"	3"	14"	27"	38"	46"	56"	68"	78"	88"	98"					106"
10'	3"	14"	27"	38"	46"	56"	68"	78"	88"	100"					112"
10' 6"	3"	14"	27"	38"	46"	56"	68"	78"	88"	100"	110"				118"
11'	3"	14"	27"	38"	46"	56"	68"	78"	88"	100"	110"				124"
11' 6"	3"	14"	27"	38"	46"	56"	68"	78"	88"	100"	110"	120"			130"
12'	3"	14"	27"	38"	46"	56"	68"	78"	88"	100"	110"	122"			136"
12' 6"	3"	14"	27"	38"	46"	56"	68"	78"	88"	100"	109"	122"	132"		142"
13'	3"	14"	27"	38"	46"	56"	68"	78"	88"	100"	114"	122"	134"		148"
13' 6"	3"	14"	27"	38"	46"	56"	68"	78"	88"	100"	109"	122"	134"	144"	154"
14'	3"	14"	27"	38"	46"	56"	68"	78"	88"	100"	114"	122"	134"	146"	160"

ALL TRACK ATTACHMENT SPACING +/- 2" ALLOWED WITH SYP NO. 2 OR BETTER ONLY

SPECIFICATIONS AND NOTES

1. ALL THE LOAD FROM THE DOOR IS TRANSFERRED TO THE VERTICAL TRACK, FROM THE TRACK THE LOAD IS TRANSFERRED TO THE VERTICAL JAMBS. THE HORIZONTAL JAMB OR HEADER RECEIVES NO PORTION OF THE LOAD TRANSFERRED FROM THE DOOR.
2. EACH VERTICAL JAMBS RECEIVES MAXIMUM DESIGN LOADS OF: +380.0 LBS/FT & -416.0 LBS/FT
3. DOOR AND HARDWARE WILL BE DESIGNED, MANUFACTURED AND INSTALLED WITH STANDARDS AS SET FORTH BY DASMA.
4. DOOR SECTIONS SHALL BE 24 GA. (.0216) MIN. EXTERIOR SKIN ROLLED FORMED, W/ BAKED ON POLYESTER FINISH
5. DOORS UPTO 7'0" HIGH CONSIST OF (4) SECTIONS AS SHOWN. USE (1) 5.5" R-TRUSS PER SECTION AND (1) 3" 20 GA. STRUT ON BOTTOM SECTION
6. DOORS OVER (4) SECTIONS REFER TO TABLE 1
7. SUPPORTING STRUCTURAL ELEMENTS SHALL BE DESIGNED BY A REGISTERED PROFESSIONAL ENGINEER FOR WIND LOADS INDICATED ON THIS DRAWING IN ADDITION TO OTHER LOADINGS.
8. THIS APPROVAL REQUIRES THE MANUFACTURER TO DO TESTING OF ALL COILS USED TO FABRICATE DOOR PANELS UNDER THIS NOTICE OF ACCEPTANCE. A MINIMUM OF 2 SPECIMENS SHALL BE CUT FROM EACH COIL AND TENSILE TESTED ACCORDING TO ASTM E-8 BY A DADE COUNTY APPROVED LAB SELECTED AND PAID BY THE MANUFACTURER. EVERY 3 MONTHS, 4 TIMES A YEAR, THE MANUFACTURER SHALL MAIL TO THIS OFFICE: A COPY OF THE TEST REPORTS WITH CONFIRMATION THAT THE SPECIMENS WERE SELECTED FROM COILS AT THE MANUFACTURER PRODUCTION FACILITIES. AND A NOTARIZED STATEMENT FROM THE MANUFACTURER THAT ONLY COILS WITH YIELD STRENGTH OF 34,600 PSI OR MORE SHALL BE USED TO MAKE DOOR PANELS FOR DADE COUNTY UNDER THIS NOTICE OF ACCEPTANCE.

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No 15-0505.04
Expiration Date 01/06/2017
By *[Signature]*
Miami Trade Product Control

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No 12-0228.06
Expiration Date 02/06/2017
By *[Signature]*
Miami Trade Product Control

REV	DESCRIPTION OF REVISIONS	DATE	BY
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MAX SIZE
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-52.0 PSF

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IMPACT
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MODEL 950 HERITAGE 1000, 2000
MODEL 655 OAK SUMMIT (24g) 1000, 2000
SHORT, LONG, FLUSH, & OAK SUMMIT PANELS

SIZE	DRAWN BY	SKW	DATE	02/28/07	DRAWING NUMBER
B	CHECKED BY	BHG	DATE	01/07	IRC-9516-175-26-1

ENGINEER: THOMAS L. SHELMERDINE P.E. LIC. No. 0048579 SHEET 3 OF 3